

XIANG LI

Software Developer ~ (He/Him)

(651) 299-0013

alex116.dll@gmail.com

Burnaby, Canada

LinkedIn

SUMMARY

Software developer with experience building scalable AI applications, full-stack web services, and automated pipelines. Skilled across Python, C#, Go, and web technologies, with expertise in CI/CD, cloud backends, and ML model deployment. Security+ certified with a strong grasp of secure system design.

SKILLS

Languages: Python, C, C#, Go, Powershell, Bash, Groovy, Typescript, JavaScript

Technologies: Git, Jenkins, Buildbot, Docker, Linux, Hyper-V, Unity, Firebase, React, Flask, REST API, CI/CD, Cloudflare, n8n

EDUCATION

09/2018 – 04/2023 **Bachelor of Computer Science** University of Victoria
GPA 6.5 / 9 · Specialization in Machine Learning and Cybersecurity

EXPERIENCE

08/2023 – present **Software Developer** Hololabs, Victoria, BC, Canada

- Built a Python object detection stack with automated training pipelines, achieving 95% detection rate and 97% F1-score; authored internal white paper on methodology
- Designed a CI/CD pipeline for Mario Kart: Bowser's Challenge using Buildbot and Hyper-V, reducing worker footprint by 70% and deployment time by 50%
- Built web management tools for multiple attractions using React and Go, streamlining operational workflows and monitoring
- Contributed to Unity gameplay logic and backend workflows, improving system reliability and player experience

Python / Full-Stack / CI/CD / Machine Learning / Docker / Go / React

01/2022 – 08/2023 **Junior Game Developer** Hololabs, Victoria, BC, Canada

- Developed gameplay mechanics and player progression systems for SkyHaven in Unity
- Built Firebase backend handling data storage, authentication, and real-time updates
- Created automated tooling to generate and validate game assets, reducing manual content pipeline effort

C# / Unity / Firebase / Backend Development

PROJECTS

Chatbot **Chemical Engineering Encyclopedia Chatbot**

- Built a RAG-based domain chatbot with LangChain, indexing 2GB+ of technical textbooks into a Chroma vector database with a Flask + LLM API backend
- Implemented an agentic MCP workflow with Wolfram Alpha integration for solving complex differential equations

Python / Flask / LangChain / Agentic AI / MCP / REST API

CERTIFICATIONS

CompTIA Security+ **CompTIA** 09/2024
Risk management, threat mitigation, access control, and secure architecture design. Network Security /

CS50 **edX** 01/2023
Python, web development with Django, database integration, and REST APIs. Python / Django / REST